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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/675,019	09/30/2003	Harry Fuerhaupter	ATODP0100US	4826	
75	90 09/30/2005		EXAMINER		
Thomas W. Adams			CULBERT, F	CULBERT, ROBERTS P	
Renner, Otto, Boisselle & Sklar, LLP Nineteenth Floor			ART UNIT	PAPER NUMBER	
1621 Euclid Avenue			1763	1763	
Cleveland, OH 44115-2191			DATE MAILED: 09/30/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
		10/675,019	FUERHAUPTER ET AL.				
Office Action Summary		Examiner	Art Unit	i i			
		Roberts Culbert	1763				
Period fo	The MAILING DATE of this communication ap		correspondence a	ddress			
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLICATION OF THE MAILING ENTERIOR IS LONGER, FROM THE MAILING ENTERIOR OF THE MAILING ENTERIOR	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tilt will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. mely filed n the mailing date of this ED (35 U.S.C. § 133).	,			
Status	(-)						
1) 又	Responsive to communication(s) filed on 21.5	September 2004		•			
· —	• • • • • • • • • • • • • • • • • • • •	s action is non-final.		•			
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.				
Dispositi	on of Claims						
4)⊠	Claim(s) 1-43 is/are pending in the application	1.					
5) <u> </u>	4a) Of the above claim(s) is/are withdra Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to.						
_	Claim(s) <u>1-43</u> are subject to restriction and/or	election requirement.	•				
Applicati	on Papers						
	The specification is objected to by the Examin						
10)	The drawing(s) filed on is/are: a) acc	, ,		,			
	Applicant may not request that any objection to the	- · ·	• •				
11)	Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the E						
	inder 35 U.S.C. § 119	Administ. Note the attached Office	ACTION OF TORM P	10-132.			
		o maiorite cundon 25 H O O S 440/-	) (4) (6)				
_	Acknowledgment is made of a claim for foreigr □ All  b)□ Some * c)□ None of:	i phonty under 35 0.5.0. § 119(a)	)-(a) or (i).				
-/.	1.☐ Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
	application from the International Bureau (PCT Rule 17.2(a)).						
* S	ee the attached detailed Office action for a list	of the certified copies not receive	ed.				
Attachment	(s)						
_	e of References Cited (PTO-892)	4) Interview Summary	(PTO-413)				
2) Notice 3) Inform	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	Paper No(s)/Mail Da		O-152)			
.S. Patent and Tr PTOL-326 (R		ction Summary	Part of Paper No./N	fail Date 0905			

This application contains claims directed to the following patentably distinct species of the claimed invention:

I. microroughening by applying a mixture comprising: water, acid, an oxidant and a corrosion inhibitor.

II. microroughening by applying a mixture comprising: (a) hydrogen peroxide; (b) at least one acid; (c) at least one nitrogen-containing, five-member heterocyclic compound which does not contain any sulphur, selenium or tellurium atom in the heterocycle; and (d) at least one adhesive compound from the group consisting of sulfinic acids, seleninic acids, tellurinic acids, heterocyclic compounds containing at least one sulphur, selenium and/or tellurium atom in the heterocycle, and sulfonium, selenonium and telluronium salts having the general formula,

$$R_1$$
 $A^{\dagger}$ 
 $R_2$ 
 $X^{-}$ 

wherein A is S, Se or Te;  $R_1$ ,  $R_2$  and  $R_3$  are independently  $C_1$ - $C_6$  alkyl substituted alkyl, alkenyl, phenyl, substituted phenyl, benzyl, cycloalkyl, substituted cycloalkyl,  $R_1$ ,  $R_2$  and  $R_3$  being the same or different; and X- is an anion of an inorganic or organic acid or hydroxide, provided that the acid selected to constitute component (b) is not identical to the sulfinic, seleninic or tellurinic acids selected as component (d).

III. microroughening by applying a mixture comprising: from about 5 g/l to about 50 g/l hydrogen peroxide and about 0.1 g/l to about 50 g/l of an aromatic sulfonic acid or a salt thereof.

IV. microroughening by applying a mixture comprising: (a) a cupric ion source, (b) an organic acid with an acid dissociation constant (pKa) of 5 or lower, (c) a halide ion source, and (d) water.

V. microroughening by applying a mixture comprising: (a) an acid, (b) a copper complexing agent (c) a metal capable of having a multiplicity of oxidation states which is present in one of its higher positive oxidation states and which metal forms a composition soluble salt, and (d) oxygen.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, claim 1 is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named Application/Control Number: 10/675,019

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inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of

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inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37

CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should

be directed to Roberts Culbert whose telephone number is (571) 272-1433. The examiner can normally

be reached on Monday-Friday (8:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Parviz Hassanzadeh can be reached on (571) 272-1435. The fax phone number for the organization

where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained from

either Private PAIR or Public PAIR. Status information for unpublished applications is available through

Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC)

at 866-217-9197 (toll-free).

R. Culbert Examiner Art Unit 1763

N. C. Shut

Parviz Hassanzadeh Supervisory Patent Examiner

Art Unit 1763